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Lin

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(54) **TREATMENT OF PRESBYOPIA AND OTHER
EYE DISORDERS USING A SCANNING
LASER SYSTEM**

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* cited by examiner

(*) **Notice:** Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
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(57) **ABSTRACT**

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(52) **U.S. Cl.** **128/898; 606/4; 606/5;
606/10; 606/11; 607/89**

(58) **Field of Search** **128/898; 606/3,
606/4, 5, 10, 11, 17, 107; 607/89**

Presbyopia is treated by a method which uses ablative lasers
to ablate the sclera tissue and increase the accommodation of
the ciliary body. Tissue bleeding is prevented by an ablative
laser having a wavelength of between 0.15 and 3.2 micron.
A scanning system is proposed to perform various patterns
on the sclera area of the cornea to treat presbyopia and to
prevent other eye disorder such as glaucoma. Laser param-
eters are determined for accurate sclera expansion.

(56) **References Cited**

U.S. PATENT DOCUMENTS

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13 Claims, 3 Drawing Sheets

